

Attorney Docket No. ESST-03901

Remarks:

Reconsideration of the pending claims of this application is respectfully requested.

Status of the claims: Claims 1-7, 9 and 12-22 have been cancelled, Claims 8 and 10-11 were cancelled in a previous amendment. New Claims 23-32 have been added.

Applicant has amended the claims to include new claims 23-29 that are based on original Claims 1, 8, 10, and 11, and is supported in the specification as filed. New claims 30-33 are supported by Figure 4 and related description in the specification. New claim 34, is supported by Figure 3 and related description in the specification. New claim 35 is supported by the embodiment of the invention described on p. 28 of the specification.

The new claims are distinguishable from the cited reference Betts et. al., U.S. Patent Number 5,859,877. In contrast to this reference, the invention described in the specification and as claimed in the amended claims does not perform a pseudo-remainder adjustment after each multiplication. Betts requires this step, as illustrated in the method described by Betts et al. in column 12 of 5,859,877, each multiplication by an inverse $1/m$ is followed by a remainder adjustment. The invention instead provides an adjustment of the pseudo-remainder only once per modulus. In practice, this results in a significant savings in the number of calculations required. The invention as claimed in the newly amended claims is distinguishable from Betts, is not disclosed or suggested by Betts, and is not anticipated or rendered obvious in light of Betts.

Therefore, the claims as amended herein are patentable in light of the prior art, and, accordingly, applicant respectfully requests allowance of these claims.

If the Examiner finds that a telephone conference would expedite the prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

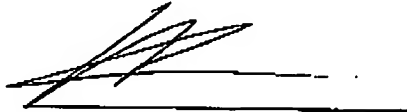
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A one month extension of time is hereby requested, along with any further extension that may be required. The Commissioner is authorized to charge the fee for the extension and any additional fees due or credit any overpayment to Deposit Account No. 50-2421.

Sincerely,

Dated:

November 19, 2004



David R. Stevens
Reg. No. 38,626

Stevens Law Group
P.O. Box 1667
San Jose, CA 95109
Phone (408) 288-7588
Fax (408) 288-7542